



Australian Bureau of Statistics

1252.0 - National Localities Index, Australia - ASGC, 2002

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Summary

Main Features

PREFACE

The National Localities Index (NLI) has been developed by the Australian Bureau of Statistics (ABS) to assist users assign the Main Structure codes of the Australian Standard Geographical Classification (ASGC) to address based data. The ASGC is the classification used by the ABS for the collection and dissemination of geographic statistics and is an essential reference for users to understand and interpret the geographical content of ABS statistics. Coding data to the ASGC Main Structure allows data to be directly compared to ABS and other information.

Editions of the NLI are released in mid-July and reflect the new edition of the ASGC which came into effect on the first of that month.

Between editions the NLI is regularly updated to include new localities, commercial and residential developments and postcode changes. These updates continue to reflect the ASGC current at the time. The most recent NLI update is available for download from this site. NLI updates are usually made available in early November, February and May of each year.

The NLI consists of two parts - a Localities Index and a Streets Sub-Index. The definition of 'Locality' is kept very broad to make the NLI as comprehensive as possible. It is defined as a place where people live or work - or say they live or work.

The majority of Localities are wholly within one Statistical Local Area (SLA) and address data for these Localities can be coded to the ASGC using only the Localities Index. The remainder of the Localities, approximately 5%, cross SLA boundaries. The NLI Streets Sub-Index contains street data for these split Localities - names, types and number ranges - so that addresses can be coded to their respective SLA.

A new edition of the NLI is released each year to reflect any ASGC changes. The ABS encourages organisations to use the ASGC and the NLI to improve the comparability and usefulness of data with a geographical dimension. Any suggestions for improvement to this Index may be made by email to geography@abs.gov.au.

DISCLAIMER

The Australian Bureau of Statistics (ABS) does not warrant that the National Localities Index (NLI) is error free.

The NLI is intended to assign Australian Standard Geographical Classification Main Structure codes on the basis of an address containing a State, Locality, Postcode, Street Name, Street Type and Street Number. The NLI is not intended to assign codes on the basis of Lot numbers, RMB numbers, Property names or PO Box addresses or in circumstances where the address information is incorrect, incomplete or ambiguous.

The street name and number data used to compile the NLI is, by its nature, incomplete. Many roads in rural and remote areas do not have an official name. Street numbers are not used in many rural and remote areas and there is no reliable source of street numbering in many towns and parts of cities. Street numbering along a street can be inconsistent or ambiguous.

Postcode boundaries change with the operational requirements of Australia Post. While the ABS regularly checks postcodes on the NLI against Australia Post postcode lists, the postcode associated with a Locality on the NLI may not be the Locality's current postcode.

While the ABS endeavours to keep the NLI as up to date as possible, very recent developments may not be included.

About this Release

ABOUT THIS RELEASE

The National Localities Index provides Statistical Local Area (SLA) codes and Australia Post postcodes for over 32,000 Australian localities. It can be used to assign SLA, Statistical Subdivision, Statistical Division and State/Territory codes as defined in the Australian Standard Geographical Classification (ASGC) 1216.0. The index is updated with each new edition of the ASGC. A streets sub-index enables accurate coding for addresses in localities that straddle SLA boundaries.

For more information and details on pricing, please contact Area Classification, Canberra on 02 62525620.

Explanatory Notes

Explanatory Notes

CHAPTER 1 INTRODUCTION

GEOGRAPHIC CODES FOR ADDRESSES

The National Localities Index (NLI) has been developed by the Australian Bureau of Statistics (ABS) to assist users to enhance the usefulness of their address based data by assigning Australian Standard Geographical Classification (ASGC) Main Structure codes.

The ASGC is an ABS classification which provides a hierarchy of geographic area codes used to classify a wide range of social and economic data.

The NLI also includes postcodes as these are a feature of address information. Postcodes for Localities are allocated by Australia Post. New and updated postcode information is incorporated into the Localities Index of the NLI on a regular basis.

The geographic codes available from the NLI are:

- Main Structure codes and names of the ASGC edition current at its release - see chapter 2.
- Australia Post postcodes.

PURPOSE OF THE NLI

The NLI is used within the ABS to assign geographic codes to statistical units in several collections including Health and Vitals and the Census of Population and Housing. It is also used by many clients and government agencies to code their own address information to the geographical units of the ASGC.

Date of effect

The NLI reflects the codes and names of the ASGC edition current at its release. Each edition of the ASGC becomes effective on 1 July of the year in question.

LOCALITIES AND STREETS

The NLI contains information about Localities across Australia and consists of two parts:

- a Localities Index; which is linked to
- a Streets Sub-Index - see chapters 3 and 4.

Definition of Locality

In order to keep the NLI as comprehensive as possible, the definition of 'Locality' has been made very broad. A Locality is defined as the name of a place where people live or work - or say they live or work.

A Locality may be treated as if it has wider boundaries than those which have been officially gazetted.

A Locality may exist across more than one ASGC area. In these instances, the Locality is described as being 'split'. Split Localities are linked to the Streets Sub-Index where each street and its street number range is coded to its respective ASGC code.

CHAPTER 2 AUSTRALIAN STANDARD GEOGRAPHICAL CLASSIFICATION (ASGC)

MAIN STRUCTURE OF THE ASGC

The Main Structure of the ASGC is used to collect and disseminate a broad range of ABS social, demographic and economic statistics. These are statistics with a 'where' dimension.

The ASGC Main Structure code to which a Locality is coded has nine digits. It comprises codes representing the top four hierarchical levels of the Main Structure.

The four hierarchical levels are:

- State/Territory (S/T);
- Statistical Division (SD);
- Statistical Subdivision (SSD); and
- Statistical Local Area (SLA).

In this structure, the SLAs aggregate to form SSDs which in turn aggregate to form SDs and the SDs aggregate to form S/Ts. All levels cover the whole of Australia without gaps or overlaps.

Details of the ASGC are available in the publication Australian Standard Geographical Classification (ASGC) (Cat. no. 1216.0).

State/Territory (S/T) (1 digit code)

The S/T is identified by a unique one digit code and is the first digit or component of the nine digit ASGC code. The S/T is the largest spatial unit in the Main Structure. Codes for the States and Territories in Australia are as follows:

- 1 New South Wales**
- 2 Victoria**
- 3 Queensland**
- 4 South Australia**
- 5 Western Australia**
- 6 Tasmania**
- 7 Northern Territory**
- 8 Australian Capital Territory**
- 9 Other Territories**

S/Ts consist of one or more SDs and cover the whole of Australia (as defined for statistical purposes) without gaps or overlaps. They encompass the geographic areas of the Australian States, mainland Territories and the external Territories of Christmas Island and Cocos (Keeling) Islands. 'Other Territories' is an aggregate, for statistical purposes, of the external Territories and Jervis Bay Territory.

Statistical Division (SD) (2 digit code)

SDs are large regional type spatial units and aggregate to form S/Ts. Any one SD consists of one or more SSDs. They cover, in aggregate, the whole of Australia without gaps or overlaps. The two digit SD code must be used with the relevant S/T code for unique identification Australia-wide.

Statistical Subdivision (SSD) (2 digit code)

SSDs are smaller regional type spatial units and aggregate to form SDs. Any one SSD consists of one or more SLAs. They cover, in aggregate, the whole of Australia without gaps or overlaps. SSD codes are unique within each SD. The two digit SSD code must be used with the relevant SD and S/T code for unique identification Australia-wide.

Statistical Local Area (SLA) (4 digit code)

The SLA is the smallest spatial unit for the compilation and publication of economic, social and demographic statistics other than those collected in population censuses. SLAs can be local government areas, or parts thereof, or any unincorporated area. They cover, in aggregate, the whole of Australia without gaps or overlaps. The four digit SLA code must be preceded by at least the S/T code for unique identification Australia-wide.

Example of ASGC code

The ASGC code 110051720 can be broken down as follows:

S/T	SD	SSD	SLA
1			NewSouthWales
	10		Hunter
		05	Newcastle
			Cessnock (C)
			1720

CHAPTER 3 LOCALITIES INDEX

The Localities Index is a comprehensive list of Localities across Australia together with their Australian Standard Geographical Classification (ASGC) Main Structure codes current at the time of release and postcodes.

SPLIT LOCALITIES

Approximately 5% of the Localities listed lie across two or more Statistical Local Areas (SLAs) and are referred to as 'split Localities'. Split Localities are those on the Localities Index which have more than one ASGC code.

Link to Streets Sub-Index

Addresses in split Localities can be coded to their correct SLA codes by means of the Streets Sub-Index (please see chapter 4).

LOCALITIES INDEX FILE FORMAT

The standard format for the Localities Index is a comma delimited ASCII text file with fixed length fields and a record length of 157 characters. This format is suitable for uploading to either micro or mainframe computers. The standard file format and example records are described below.

FIELD NAME*	START COLUMN	FIELD LENGTH	TYPE
Locality Name	1	40	alpha
Property Indicator (PI)	42	1	alpha
Postcode 1 (PC1)	44	4	numeric
Postcode 2 (PC2)	49	4	numeric
S/T Code	54	1	numeric
ASGC Code Major SLA	56	8	numeric
ASGC Code 2nd SLA	65	8	numeric
ASGC Code 3rd SLA	74	8	numeric
ASGC Code 4th SLA	83	8	numeric
ASGC Code 5th SLA	92	8	numeric
ASGC Code 6th SLA	101	8	numeric
ASGC Code 7th SLA	110	8	numeric
ASGC Code 8th SLA	119	8	numeric

*Fields are separated by a comma.

Example:

Locality Name	PI	PC1	PC2	S/T	Major SLA	2nd SLA (etc)	Major SLA Name
ABINGTON	,	,4660	,	,3	,15104000	,	,ISIS (S)
ACACIA DOWNS	,P	,4726	,	,3	,35050150	,	,ARAMAC (S)
ACACIA RIDGE	,	,4110	,	,3	,05051001	,05051552	,ACACIA RIDGE
ALBION	,	,4010	,	,3	,05051004	,05051634	,ALBION

All names on the National Localities Index are in CAPITALS. Output files are sorted by S/T and Locality Name.

FIELD NAMES AND DEFINITIONS

The following field names and definitions describe the information contained in the Localities Index. The Localities Index is subject to other rules which govern data representation and these are explained in Appendix 1.

Locality Name

A Locality may be a city, town, suburb, neighbourhood or commonly used location name such as a large agricultural property or railway siding. Also included are some commonly used alias or unofficial Locality names. Where a Locality crosses an S/T border, the two sides of the border are recorded as two separate Localities. For example Williamsdale crosses the S/T border between New South Wales and the Australian Capital Territory and is shown on the NLI as follows:

Locality Name	PI	PC1	PC2	S/T	Major SLA	2nd SLA (etc)	Major SLA Name
WILLIAMSDALE		,2620		,1	,45058651		,YARROWLUMLA (A) - PT A
WILLIAMSDALE		,2620		,8	,05258189		,TUGGERANONG -SSD BAL

Property Indicator

The Property Indicator field was originally created to flag Localities that are properties (P) and/or Localities with no postal service (N). The N flag is no longer used as all Localities are now allocated a postcode. Current indicators in this field are:

P = property

S = railway siding

(blank) = default

Postcode 1 and Postcode 2

These fields record the Australia Post postcode(s) for the Locality. Generally Localities have only one postcode, however there are a small number of Localities where mail delivery is shared by two Post Offices. Recording the postcode in the National Localities Index helps to differentiate between Localities with the same name in the same State.

S/T Code

The S/T code indicates the State or Territory in which the Locality exists. Please refer to chapter 2, for more details on S/T.

ASGC Code Major SLA

The code of the Major SLA is an eight digit code made up of the Statistical Division (SD), Statistical Subdivision (SSD) and SLA codes (each of these components is described in chapter 2). This eight digit code should be used in conjunction with the S/T code for unique Australia-wide identification of the SLA. For non-split Localities this is the only ASGC code. For split Localities the Major SLA is the SLA which contains the greatest number of streets for the Locality.

ASGC Codes 2nd to 8th SLAs

These fields are used for Localities which are in more than one SLA. The codes for each of these SLAs comprise eight digits made up of the SD, SSD and SLA codes (each of these components is described in chapter 2). If a Locality is split all appropriate codes (up to eight) are listed against the Locality.

Major SLA Name

This is the SLA name for the ASGC code shown in the Major SLA field.

CODING TO STATISTICAL LOCAL AREA

In the diagram below, the localities labelled First Locality and Second Locality are shown bounded by dashed lines. They do not cross any S/T border.

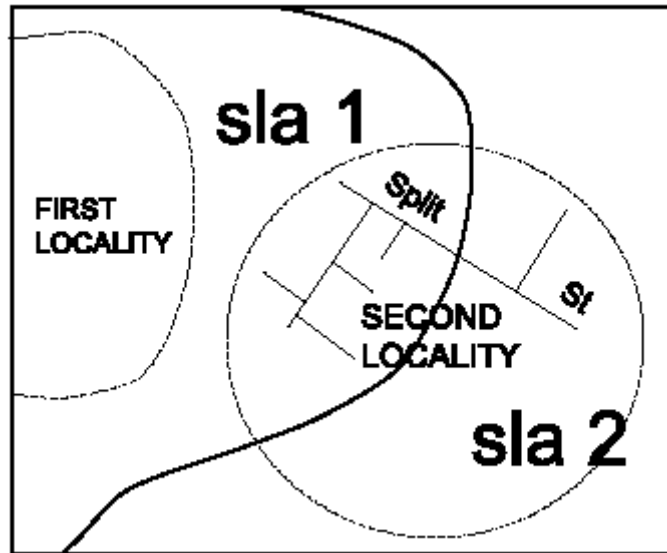
First Locality is entirely within the boundary of SLA 1. It is not split and there will be no street records for it in the NLI Streets Sub-Index. The Localities Index record for First Locality will show one SLA code, i.e. all addresses in this Locality will have the same SLA code.

Second Locality shows a street pattern within it and one of the streets is named Split Street.

The boundary between SLA 1 and SLA 2 crosses through Second Locality and therefore this Locality is a split Locality. The NLI Localities Index shows both SLAs against the Locality record. SLA 1 will be the Major SLA as it has the largest number of streets for Second Locality.

All streets for Second Locality are contained in the Streets Sub-Index and are coded to the SLA(s) in which they lie.

The street named Split Street shown in the diagram, lies within both SLA 1 and SLA 2. It will have the relevant street number ranges recorded for each of the SLAs. Chapter 4 provides information on the Streets Sub-Index.



CHAPTER 4 STREETS SUB-INDEX

The Streets Sub-Index contains records of street data for the split Localities listed in the Localities Index. This index enables specific Statistical Local Area (SLA) coding for split Localities where the street name and number are known.

STREETS SUB-INDEX FILE FORMAT

The standard Streets Sub-Index format is a comma delimited ASCII text file with fixed length fields and a record length of 102 characters.

FIELD NAME	START COLUMN	FIELD LENGTH	TYPE
Locality Name	1	40	alpha
S/T Code	42	1	numeric
SLA Code	44	4	numeric
Street Name	49	30	alpha
Street Type	80	9	alpha
Street Direction	90	1	alpha
Street Number Low	92	4	alphanumeric
Street Number High	97	4	alphanumeric
Odds/Evens/All flag	102	1	alpha

* Fields are separated by a comma.

Example:

Locality Name	S/T	SLA	Street	Type	Dir	Number	Range
ACACIA RIDGE	,3	,1001	,KILKENNY	,ST	,	,0001	,9999 ,A
ACACIA RIDGE	,3	,1001	,KIRKLEY	,ST	,	,0001	,9999 ,A
ACACIA RIDGE	,3	,1001	,LANCASHIRE	,ST	,	,0001	,9999 ,A
ACACIA RIDGE	,3	,1001	,LANDSEER	,ST	,	,0002	,9998 ,E
ACACIA RIDGE	,3	,1552	,LANDSEER	,ST	,	,0001	,9999 ,O
ACACIA RIDGE	,3	,1001	,LARBERT	,ST	,	,0001	,9999 ,A
ACACIA RIDGE	,3	,1001	,LAVERY	,ST	,	,0001	,9999 ,A
ACACIA RIDGE	,3	,1615	,LEAROYD	,ST	,	,0136	,9998 ,E
ACACIA RIDGE	,3	,1012	,LEAROYD	,ST	,	,0002	,0134 ,E
ACACIA RIDGE	,3	,1001	,LEAROYD	,ST	,	,0001	,9999 ,O

FIELD NAMES AND DEFINITIONS

The following field names and definitions relate to the Streets Sub-Index.

The Streets Sub-Index is subject to rules governing data representation and these are explained in Appendix 1.

Locality Name

Locality Name is a key field which links the split Localities on the Localities Index to their appropriate street data on the Streets Sub-Index.

Link to Localities Index

The Streets Sub-Index contains the names of all split Localities together with their street data. Each street is recorded with the State/Territory (S/T) code and four digit SLA code to which it belongs. These codes in the street data reflect the S/T code and the last four digits of one of the Australian Standard Geographical Classification (ASGC) code fields for the relevant Locality in the Localities Index. For example:

From the Localities Index, Blessington is a split Locality.

Locality Name	PI	PC1	PC2	S/T	Major SLA	2nd SLA (etc)	Major SLA Name
BLESSINGTON	,	,7212	,	,6	,15104013	,15104612	,LAUNCESTON (C) -PT C

From the Streets Sub-Index the split Locality, Blessington, has street data listed.

Locality Name	S/T	SLA	Street	Type	Dir	Number	Range
BLESSINGTON	,6	,4612	,ENGLISH TOWN	,RD	,	,0001	,9999 ,A
BLESSINGTON	,6	,4612	,FISHERS TIER	,RD	,	,0001	,9999 ,A
BLESSINGTON	,6	,4013	,FOLEYS	,RD	,	,0001	,9999 ,A
BLESSINGTON	,6	,4612	,HAYES	,RD	,	,0001	,9999 ,A
BLESSINGTON	,6	,4612	,OBRIENS	,RD	,	,0001	,9999 ,A

S/T Code

The S/T code indicates the State or Territory in which the Locality and a street or part of a street exists. The definition of S/T is described in chapter 2.

SLA Code

The SLA code indicates the SLA in which the street or street segment exists. In the Streets Sub-Index only the S/T and SLA components of the ASGC code are held as this is sufficient to uniquely identify the appropriate SLA.

Street Name

This field contains the names of streets, roads, avenues, etc. found within the Locality. Significant residential buildings and properties have been included for some split Localities if considered appropriate.

Street Type

This field describes the Street Type that is linked to the Street Name field. Common street types have been abbreviated while lesser used ones are fully described. A full listing of the Street Types used in the NLI is detailed in Appendix 2. Where an abbreviation has been adopted for NLI purposes the full title is shown in brackets.

Street Direction

This field shows the geographic descriptor where it is part of the street name e.g. SMITH STREET NORTH will be represented as SMITH, ST, N.

The street directions used are:

(blank) = default

N = North

S = South

E = East

W = West

This field also shows a Multiple Occurrence flag where a street name occurs more than once in a split Locality and the streets lie in different SLAs. It flags each record of the street name.

M = Multiple Occurrence

Street Number Range

Where a street is wholly contained within an SLA the street number range is 0001-9999.

Where a street lies across an SLA boundary, a number range is displayed for the segments contained within each SLA. The number range indicates the lowest and highest numbers (inclusive) along the street for which each SLA code is valid.

Where a street crosses SLA boundaries and the street number range is unknown or, in the case of many rural roads, does not exist or cannot be determined from current sources, then the value of 0000-0000 is given for the street number range.

Odds/Evens/All Flag

This field flags whether all or specifically odd or even street numbers are included in the street's number range for the SLA code.

O = odd numbers only

E = even numbers only

A = all numbers

Examples

Where a street is entirely within an SLA, the street number range is represented 0001-9999 A.

Where the odd side of a street is wholly within an SLA, the street number range is represented 0001-9999 O.

Where the even side of a street is wholly within an SLA, the street number range is represented 0002-9998 E.

Where the number range on the odd side of the street within an SLA is unknown,

ambiguous, or does not exist, the street number range is represented as 0000-0000 O.

Where the number range on the even side of the street within an SLA is unknown, ambiguous, or does not exist, the street number range is represented 0000-0000 E.

Where the number range on both the odd and even sides of the street within an SLA is unknown, ambiguous, or does not exist, the street number range is represented 0000-0000 A.

Explanatory Notes

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CHAPTER 1 INTRODUCTION

GEOGRAPHIC CODES FOR ADDRESSES

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- Australia Post postcodes.

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- a Streets Sub-Index - see chapters 3 and 4.

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In order to keep the NLI as comprehensive as possible, the definition of 'Locality' has been made very broad. A Locality is defined as the name of a place where people live or work - or say they live or work.

A Locality may be treated as if it has wider boundaries than those which have been officially gazetted.

A Locality may exist across more than one ASGC area. In these instances, the Locality is described as being 'split'. Split Localities are linked to the Streets Sub-Index where each street and its street number range is coded to its respective ASGC code.

CHAPTER 2 AUSTRALIAN STANDARD GEOGRAPHICAL CLASSIFICATION (ASGC)

MAIN STRUCTURE OF THE ASGC

The Main Structure of the ASGC is used to collect and disseminate a broad range of ABS social, demographic and economic statistics. These are statistics with a 'where' dimension.

The ASGC Main Structure code to which a Locality is coded has nine digits. It comprises codes representing the top four hierarchical levels of the Main Structure.

The four hierarchical levels are:

- State/Territory (S/T);
- Statistical Division (SD);
- Statistical Subdivision (SSD); and
- Statistical Local Area (SLA).

In this structure, the SLAs aggregate to form SSDs which in turn aggregate to form SDs and the SDs aggregate to form S/Ts. All levels cover the whole of Australia without gaps or overlaps.

Details of the ASGC are available in the publication Australian Standard Geographical Classification (ASGC) (Cat. no. 1216.0).

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Statistical Division (SD) (2 digit code)

SDs are large regional type spatial units and aggregate to form S/Ts. Any one SD consists of one or more SSDs. They cover, in aggregate, the whole of Australia without gaps or overlaps. The two digit SD code must be used with the relevant S/T code for unique identification Australia-wide.

Statistical Subdivision (SSD) (2 digit code)

SSDs are smaller regional type spatial units and aggregate to form SDs. Any one SSD consists of one or more SLAs. They cover, in aggregate, the whole of Australia without gaps or overlaps. SSD codes are unique within each SD. The two digit SSD code must be used with the relevant SD and S/T code for unique identification Australia-wide.

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Example of ASGC code

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		05	Newcastle
			Cessnock (C)
			1720

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ASGC Code 3rd SLA	74	8	numeric
ASGC Code 4th SLA	83	8	numeric
ASGC Code 5th SLA	92	8	numeric
ASGC Code 6th SLA	101	8	numeric
ASGC Code 7th SLA	110	8	numeric
ASGC Code 8th SLA	119	8	numeric
Major SLA Name	128	30	alpha

*Fields are separated by a comma.

Example:

Locality Name	PI	PC1	PC2	S/T	Major SLA	2nd SLA (etc)	Major SLA Name
ABINGTON	,	,4660	,	,3	,15104000	,	,ISIS (S)
ACACIA DOWNS	,P	,4726	,	,3	,35050150	,	,ARAMAC (S)
ACACIA RIDGE	,	,4110	,	,3	,05051001	,05051552	,ACACIA RIDGE
ALBION	,	,4010	,	,3	,05051004	,05051634	,ALBION

All names on the National Localities Index are in CAPITALS. Output files are sorted by S/T and Locality Name.

FIELD NAMES AND DEFINITIONS

The following field names and definitions describe the information contained in the Localities Index. The Localities Index is subject to other rules which govern data representation and these are explained in Appendix 1.

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A Locality may be a city, town, suburb, neighbourhood or commonly used location name such as a large agricultural property or railway siding. Also included are some commonly used alias or unofficial Locality names. Where a Locality crosses an S/T border, the two sides of the border are recorded as two separate Localities. For example Williamsdale crosses the S/T border between New South Wales and the Australian Capital Territory and

is shown on the NLI as follows:

Locality Name	PI	PC1	PC2	S/T	Major SLA	2nd SLA (etc)	Major SLA Name
WILLIAMSDALE		,2620		,1	,45058651		,YARROWLUMLA (A) - PT A
WILLIAMSDALE		,2620		,8	,05258189		,TUGGERANONG -SSD BAL

Property Indicator

The Property Indicator field was originally created to flag Localities that are properties (P) and/or Localities with no postal service (N). The N flag is no longer used as all Localities are now allocated a postcode. Current indicators in this field are:

P = property

S = railway siding

(blank) = default

Postcode 1 and Postcode 2

These fields record the Australia Post postcode(s) for the Locality. Generally Localities have only one postcode, however there are a small number of Localities where mail delivery is shared by two Post Offices. Recording the postcode in the National Localities Index helps to differentiate between Localities with the same name in the same State.

S/T Code

The S/T code indicates the State or Territory in which the Locality exists. Please refer to chapter 2, for more details on S/T.

ASGC Code Major SLA

The code of the Major SLA is an eight digit code made up of the Statistical Division (SD), Statistical Subdivision (SSD) and SLA codes (each of these components is described in chapter 2). This eight digit code should be used in conjunction with the S/T code for unique Australia-wide identification of the SLA. For non-split Localities this is the only ASGC code. For split Localities the Major SLA is the SLA which contains the greatest number of streets for the Locality.

ASGC Codes 2nd to 8th SLAs

These fields are used for Localities which are in more than one SLA. The codes for each of these SLAs comprise eight digits made up of the SD, SSD and SLA codes (each of these components is described in chapter 2). If a Locality is split all appropriate codes (up to eight) are listed against the Locality.

Major SLA Name

This is the SLA name for the ASGC code shown in the Major SLA field.

CODING TO STATISTICAL LOCAL AREA

In the diagram below, the localities labelled First Locality and Second Locality are shown bounded by dashed lines. They do not cross any S/T border.

First Locality is entirely within the boundary of SLA 1. It is not split and there will be no street

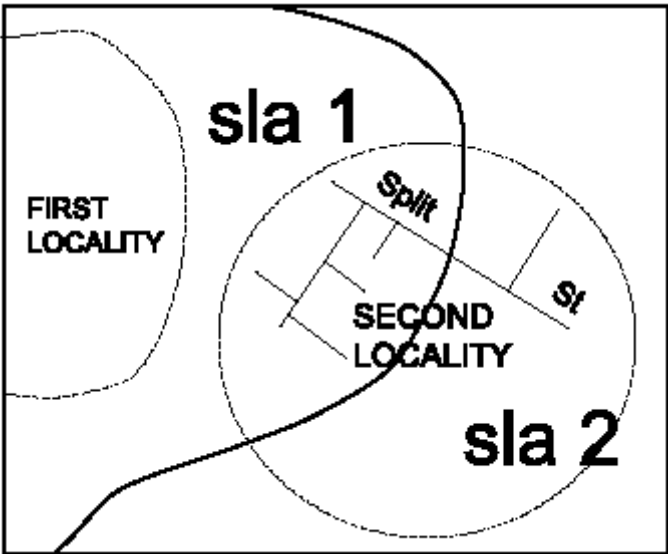
records for it in the NLI Streets Sub-Index. The Localities Index record for First Locality will show one SLA code, i.e. all addresses in this Locality will have the same SLA code.

Second Locality shows a street pattern within it and one of the streets is named Split Street.

The boundary between SLA 1 and SLA 2 crosses through Second Locality and therefore this Locality is a split Locality. The NLI Localities Index shows both SLAs against the Locality record. SLA 1 will be the Major SLA as it has the largest number of streets for Second Locality.

All streets for Second Locality are contained in the Streets Sub-Index and are coded to the SLA(s) in which they lie.

The street named Split Street shown in the diagram, lies within both SLA 1 and SLA 2. It will have the relevant street number ranges recorded for each of the SLAs. Chapter 4 provides information on the Streets Sub-Index.



CHAPTER 4 STREETS SUB-INDEX

The Streets Sub-Index contains records of street data for the split Localities listed in the Localities Index. This index enables specific Statistical Local Area (SLA) coding for split Localities where the street name and number are known.

STREETS SUB-INDEX FILE FORMAT

The standard Streets Sub-Index format is a comma delimited ASCII text file with fixed length fields and a record length of 102 characters.

FIELD NAME	START COLUMN	FIELD LENGTH	TYPE
Locality Name	1	40	alpha
S/T Code	42	1	numeric
SLA Code	44	4	numeric
Street Name	49	30	alpha
Street Type	80	9	alpha
Street Direction	90	1	alpha

Street Number Low	92	4	alphanumeric
Street Number High	97	4	alphanumeric
Odds/Evens/All flag	102	1	alpha

* Fields are separated by a comma.

Example:

Locality Name	S/T	SLA	Street	Type	Dir	Number	Range
ACACIA RIDGE	,3	,1001	,KILKENNY	,ST	,	,0001	,9999 ,A
ACACIA RIDGE	,3	,1001	,KIRKLEY	,ST	,	,0001	,9999 ,A
ACACIA RIDGE	,3	,1001	,LANCASHIRE	,ST	,	,0001	,9999 ,A
ACACIA RIDGE	,3	,1001	,LANDSEER	,ST	,	,0002	,9998 ,E
ACACIA RIDGE	,3	,1552	,LANDSEER	,ST	,	,0001	,9999 ,O
ACACIA RIDGE	,3	,1001	,LARBERT	,ST	,	,0001	,9999 ,A
ACACIA RIDGE	,3	,1001	,LAVERY	,ST	,	,0001	,9999 ,A
ACACIA RIDGE	,3	,1615	,LEAROYD	,ST	,	,0136	,9998 ,E
ACACIA RIDGE	,3	,1012	,LEAROYD	,ST	,	,0002	,0134 ,E
ACACIA RIDGE	,3	,1001	,LEAROYD	,ST	,	,0001	,9999 ,O

FIELD NAMES AND DEFINITIONS

The following field names and definitions relate to the Streets Sub-Index.

The Streets Sub-Index is subject to rules governing data representation and these are explained in Appendix 1.

Locality Name

Locality Name is a key field which links the split Localities on the Localities Index to their appropriate street data on the Streets Sub-Index.

Link to Localities Index

The Streets Sub-Index contains the names of all split Localities together with their street data. Each street is recorded with the State/Territory (S/T) code and four digit SLA code to which it belongs. These codes in the street data reflect the S/T code and the last four digits of one of the Australian Standard Geographical Classification (ASGC) code fields for the relevant Locality in the Localities Index. For example:

From the Localities Index, Blessington is a split Locality.

Locality Name	PI	PC1	PC2	S/T	Major SLA	2nd SLA (etc)	Major SLA Name
BLESSINGTON	,	,7212	,	,6	,15104013	,15104612	,LAUNCESTON (C) -PT C

From the Streets Sub-Index the split Locality, Blessington, has street data listed.

Locality Name	S/T	SLA	Street	Type	Dir	Number	Range
BLESSINGTON	,6	,4612	,ENGLISH TOWN	,RD	,	,0001	,9999 ,A
BLESSINGTON	,6	,4612	,FISHERS TIER	,RD	,	,0001	,9999 ,A
BLESSINGTON	,6	,4013	,FOLEYS	,RD	,	,0001	,9999 ,A
BLESSINGTON	,6	,4612	,HAYES	,RD	,	,0001	,9999 ,A

S/T Code

The S/T code indicates the State or Territory in which the Locality and a street or part of a street exists. The definition of S/T is described in chapter 2.

SLA Code

The SLA code indicates the SLA in which the street or street segment exists. In the Streets Sub-Index only the S/T and SLA components of the ASGC code are held as this is sufficient to uniquely identify the appropriate SLA.

Street Name

This field contains the names of streets, roads, avenues, etc. found within the Locality. Significant residential buildings and properties have been included for some split Localities if considered appropriate.

Street Type

This field describes the Street Type that is linked to the Street Name field. Common street types have been abbreviated while lesser used ones are fully described. A full listing of the Street Types used in the NLI is detailed in Appendix 2. Where an abbreviation has been adopted for NLI purposes the full title is shown in brackets.

Street Direction

This field shows the geographic descriptor where it is part of the street name e.g. SMITH STREET NORTH will be represented as SMITH, ST, N.

The street directions used are:

(blank) = default

N = North

S = South

E = East

W = West

This field also shows a Multiple Occurrence flag where a street name occurs more than once in a split Locality and the streets lie in different SLAs. It flags each record of the street name.

M = Multiple Occurrence

Street Number Range

Where a street is wholly contained within an SLA the street number range is 0001-9999.

Where a street lies across an SLA boundary, a number range is displayed for the segments contained within each SLA. The number range indicates the lowest and highest numbers (inclusive) along the street for which each SLA code is valid.

Where a street crosses SLA boundaries and the street number range is unknown or, in the case of many rural roads, does not exist or cannot be determined from current sources, then the value of 0000-0000 is given for the street number range.

Odds/Evens/All Flag

This field flags whether all or specifically odd or even street numbers are included in the

street's number range for the SLA code.

O = odd numbers only

E = even numbers only

A = all numbers

Examples

Where a street is entirely within an SLA, the street number range is represented 0001-9999 A.

Where the odd side of a street is wholly within an SLA, the street number range is represented 0001-9999 O.

Where the even side of a street is wholly within an SLA, the street number range is represented 0002-9998 E.

Where the number range on the odd side of the street within an SLA is unknown, ambiguous, or does not exist, the street number range is represented as 0000-0000 O.

Where the number range on the even side of the street within an SLA is unknown, ambiguous, or does not exist, the street number range is represented 0000-0000 E.

Where the number range on both the odd and even sides of the street within an SLA is unknown, ambiguous, or does not exist, the street number range is represented 0000-0000 A.

APPENDIX 1 OTHER RULES GOVERNING DATA REPRESENTATION IN THE NLI

The NLI aims to assist users to code addresses to the relevant Australian Standard Geographical Classification (ASGC) Main Structure code. The many source materials which contribute to the Localities Index and Streets Sub-Index often represent Locality and Street data with a variety of spellings, punctuations and abbreviations.

Chapters 3 and 4 in this document describe what is recorded in each of the fields of the Localities Index and the Streets Sub-Index files. Other rules governing how source material should be represented are also applied to provide consistency in the NLI and these are set out below.

LOCALITIES INDEX

Rules applied to the Locality Name field:

All Locality Names are in capital letters;

No punctuation is used;

An abbreviation, ST, is used to represent the word SAINT where it is the first part of a Locality Name. At all other times it is shown as a full spelling;

The words MOUNT, PORT and POINT are not abbreviated;

The abbreviations RAAF and RAN are used for Locality Names involving Royal Australian Air Force or Royal Australian Navy bases;

Locality Name qualifiers such as North, South, Lake, Island and the like are not abbreviated; and

The Property Indicator field shows the P flag for Locality Names which in source materials are described as agricultural properties. Descriptors like Station, Homestead or Property are not used in agricultural property names.

Rules applied to the ASGC codes and the Major SLA name fields:

All ASGC codes used in the NLI are consistent with the relevant edition of the ASGC;

All Major SLA names include punctuations, abbreviations, and spellings which are consistent with the relevant edition of the ASGC; and

The Major SLA name is in capital letters.

STREETS SUB-INDEX

Rules applied to the Locality Name field:

Data are consistent with the Localities Index Locality Name field.

Rules applied to the ASGC code field:

The ASGC codes for State/Territory and SLA for each Street record are displayed. They are consistent with the relevant edition of the ASGC and the codes for the corresponding Locality Name in the Localities Index.

Rules applied to the Street Name field:

The punctuation, abbreviation and word treatment rules applied to the Locality Name field also apply to the Street Name field;

In the case of streets such as 'The Parade', 'The Esplanade', etc. the whole name is included in the Street Name field. The whole name is also included in the Street Name field in the case of streets such as 'The Avenue of Honour', where the street type does not occur at the end of the street name (ignoring the street direction if it is present). In both cases the Street Type field is left blank.

The NLI aims to have an exhaustive listing of the street patterning for a split Locality. There are also other features that are included in the NLI Streets file; these are not exhaustively recorded, but are added 'subjectively' and include:

- walking tracks/4 wheel drive tracks/fire tracks
- rural property names
- shopping complexes/large buildings
- schools/hospitals
- retirement homes/hostels/caravan parks
- reserves/recreational facilities
- marinas/wharves/piers

Rules applied to the Street Type field:

The Street Type field shows the P flag for features of a split Locality which in source materials include descriptors like Station, Homestead or Property. Those descriptors are not displayed in the Street Name field.

Street Type 'BLDG' is used to indicate a feature that is neither a street or a property. In most cases these will be buildings in the everyday sense, but it is also applied to features such as Airports and University Campuses which would not normally be considered buildings.

In the case of streets such as 'The Parade', 'The Esplanade', etc. the Street Type field is left blank. The Street Type field is also left blank in cases where the street type does not occur at the end of the street name (ignoring the street direction if it is present), for example 'The Avenue of Honour'. In both cases the whole name is included in the Street Name field.

For a listing of valid Street Types used in the NLI see Appendix 2.

APPENDIX 2 STREET TYPES USED IN THE NLI

ACCESS	ESPLANADE	PL (PLACE)
ALLEY	ESTATE	PLAZA
APPROACH	EXPWAY (EXPRESSWAY)	POCKET
ARCADE	EXTENSION	POINT
ARTERY	FAIRWAY	PORT
AVE (AVENUE)	FIRETRAIL	PROMENADE
BANK	FOLLOW	PURSUIT
BASIN	FORD	QUAD
BAY	FORMATION	QUADRANT
BEACH	FREEWAY	QUAY
BEND	FRONT	QUAYS
BLDG (BUILDING)	FRONTAGE	RAMBLE
BLVD (BOULEVARD)	GAP	RD (ROAD)
BOARDWALK	GARDEN	REACH
BOWL	GARDENS	RESERVE
BRACE	GATE	REST
BRAE	GATES	RETREAT
BREAK	GATEWAY	RETURN
BRIDGE	GLADE	RIDE
BROADWAY	GLEN	RIDGE
BROOK	GRANGE	RING
BROW	GREEN	RISE
BYPASS	GROUND	RISING
CANAL	GROVE	ROADWAY
CAUSEWAY	GROVET	ROTARY
CENTRE	HAVEN	ROUND
CENTREWAY	HEATH	ROUTE
CHASE	HEIGHTS	ROW
CIRCLE	HILL	RUN
CIRCLET	HUB	SERWAY (SERVICEWAY)
CIRCUIT	HWY (HIGHWAY)	SIDING
CIRCUS	INTER (INTERCHANGE)	SLOPE
CL (CLOSE)	ISLAND	SPUR
COMMON	JUNCTION	SQUARE
CONCOURSE	KEY	STEPS
COPSE	KNOLL	STRAND
CORNER	LA (LANE)	ST (STREET)
CORSO	LINE	STRIP
COURSE	LANEWAY	SUBWAY
COURT	LINK	TARN
COURTYARD	LOOKOUT	TCE (TERRACE)
COVE	LOOP	THROWAY (THROUGHWAY)
CRES (CRESCENT)	LOWER	TOLLWAY
CREST	MALL	TOP
CRIEF	MEAD	TOR
CROSS	MEANDER	TRACK
CROSSING	MEWS	TRAIL
CULDESAC	MOTORWAY	TURN
CURVE	NOOK	UNDERPASS

DALE
DEVIATION
DIP
DOWNS
DR (DRIVE)
DRIVEWAY
EASEMENT
EDGE
ELBOW
END
ENTRANCE

OUTLOOK
OVERPASS
P (PROPERTY)
PARK
PARKLANDS
PARKWAY
PASS
PATH
PATHWAY
PDE (PARADE)
PIER

VALE
VALLEY
VIEW
VISTA
WALK
WALKWAY
WAY
WHARF
WYND
(BLANK)

Other rules governing data representation in the NLI (Appendix)

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CENTREWAY	HEATH	ROUTE
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CIRCLE	HILL	RUN
CIRCLET	HUB	SERWAY (SERVICEWAY)
CIRCUIT	HWY (HIGHWAY)	SIDING
CIRCUS	INTER (INTERCHANGE)	SLOPE
CL (CLOSE)	ISLAND	SPUR
COMMON	JUNCTION	SQUARE
CONCOURSE	KEY	STEPS
COPSE	KNOLL	STRAND
CORNER	LA (LANE)	ST (STREET)
CORSO	LINE	STRIP
COURSE	LANEWAY	SUBWAY
COURT	LINK	TARN
COURTYARD	LOOKOUT	TCE (TERRACE)
COVE	LOOP	THROWAY (THROUGHWAY)
CRES (CRESCENT)	LOWER	TOLLWAY
CREST	MALL	TOP
CRIEF	MEAD	TOR
CROSS	MEANDER	TRACK
CROSSING	MEWS	TRAIL
CULDESAC	MOTORWAY	TURN
CURVE	NOOK	UNDERPASS
DALE	OUTLOOK	VALE
DEVIATION	OVERPASS	VALLEY
DIP	P (PROPERTY)	VIEW
DOWN	PARK	VISTA
DR (DRIVE)	PARKLANDS	WALK
DRIVEWAY	PARKWAY	WALKWAY
EASEMENT	PASS	WAY
EDGE	PATH	WHARF
ELBOW	PATHWAY	WYND
END	PDE (PARADE)	(BLANK)
ENTRANCE	PIER	

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